

**COMPUTER-AIDED DETECTION SYSTEMS AND METHODS  
FOR ENSURING MANUAL REVIEW OF COMPUTER MARKS  
IN MEDICAL IMAGES**

**Abstract of the Disclosure**

5 CAD (computer-aided detection) systems, methods and  
tools are provided for automatically inserting "false" marks  
(e.g., incorrect marks, misleading marks, etc.) in medical  
images to ensure an unbiased CAD-assisted review of the  
marked medical images by physicians, clinicians,  
10 radiologists, etc. For example, a method for automatic  
detection of medical conditions in medical images includes  
the steps of receiving image data, processing the image data  
to detect potential medical conditions in the image data,  
adding a mark in the image data that indicates a detected  
15 medical condition, adding a false mark in the image data;  
and outputting marked image data comprising one or more  
marks that indicate a detected medical condition, or one or  
more false marks, or both. The individual performing a  
CAD-assisted review of the "marked" image data is aware that  
20 one or more "false" marks may be included in displayed  
images, which prevents blind reliance on the CAD results.